

Plant Document Analysis

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End of Engineering Analysis Report

ENGINEERING SPECIFICATION ANALYSIS

Focus Area:

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- Summarize industry-standard methods/specs and required parameters for that subject.
- Compare them to the submitted document.
 - Extract only the specifications, requirements, and explicit measurement data in the document that are relevant.
 - Nozzle Load Analysis (external nozzle loads, moments, radial loads, load application point, acceptance criteria)
 - Nozzle/Opening Sizing and Minimum Distances (nozzle sizes, minimum distances from bottom, manway requirements)
 - Nozzle/Pad/Reinforcement Requirements (bearing plates, reinforcement, flange/bolting specs)
 - Foundation & Anchorage Design (anchor bolt size, corrosion allowance, resisting/overturning moment ratio, ring wall)
 - Roof and Floating Roof Design (roof drains, seal working range, manholes, roof supports)
 - Wind and Seismic Loads (wind code params, seismic importance factors, sloshing loads)
 - Hydrotest and Testing Requirements (test durations, water chloride limits, settlement survey)
 - Material and Corrosion Allowances (plate grades, CE limits, corrosion allowances)
 - Vendor Data / Nozzle Load deliverables (required calculations and reports)

If you want "Nozzle Load Analysis" (recommended), reply with that and I will produce the three-section extraction per the instructions.

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